

Appl. No. 10/713,043  
Amdt. dated 28 April 2008  
Reply to Office action of November 28, 2007  
Atty. Docket No. AP018US/CIP

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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A method of producing a radiation dosimetry report containing a plurality of radiation dose measurements [doses,] each corresponding to a radiation dose received by a respective one of a plurality of radiation sensors positioned in, on or adjacent a body or a body part during irradiation thereof during a preceding irradiation interval, the method comprising the steps of:-

[~~(i)~~] providing a graphical representation comprising

(i) an image of at least a portion of the body or body part that ~~has been~~ was irradiated and ~~arranging~~

(ii) a plurality of graphics artefacts arranged on or adjacent the graphical representation,

each artefact ~~comprising an identifier and~~ representing a radiation sensor positioned in, on or adjacent the body or part thereof during irradiation, the position of each artefact relative to the representation image corresponding to the position of a corresponding sensor relative to the body or body part during irradiation; and

[~~(ii)~~] (iii) a listing of said radiation [doses] dose measurements, each associated with the plurality of identifiers representing a radiation dose received by a respective one of said sensors during said irradiation interval, respectively;

each of said radiation dose measurements being linked visually in said graphics representation with the corresponding one of said graphics artefacts.

2. (Currently amended) A method of producing a radiation dosimetry report according to claim 1, wherein the step of providing said listing of radiation [[doses]] dose measurements comprises the step of listing a target radiation dose for each sensor, each target radiation dose associated with the corresponding identifier.

3. (Cancelled) ~~A method of producing a radiation dosimetry report according to claim~~

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~~1. wherein the listing of radiation doses comprises the step of listing a measured dose for each sensor, each measured dose associated with the corresponding identifier.~~

4. (Currently amended) A method of producing a radiation dosimetry report according to claim 1, wherein the step of providing said listing of radiation [[doses]] dose measurements comprises listing a target radiation dose and a measured radiation dose measurement for each sensor, the target dose and measured radiation dose measurement being associated with the corresponding identifier.

5. (Currently amended) A method of producing a radiation dosimetry report according to claim 1, ~~wherein the listing of radiation doses comprises~~ further comprising the step of listing a value of the deviation of a measured radiation dose measurement from a target dose for each sensor, the deviation value being associated with the corresponding identifier.

6. (Currently amended) A method of producing a radiation dosimetry report according to claim 1, wherein the listing of the radiation doses is in a table that is displayed adjacent the graphical image.

7. (Original) A method of producing a radiation dosimetry report according to claim 1, further comprising the step of displaying the graphical image as a computer-generated image on a display device.

8. (Original) A method of producing a radiation dosimetry report according to claim 1, further comprising the step of providing the dosimetry report as a printed report.

9. (Currently amended) A method of producing a radiation dosimetry report according to claim 1, wherein each said [[the]] graphics artefact comprises an icon portion representing the sensor, said icon portion being separate from the identifier.

10. (Original) A method of producing a radiation dosimetry report according to claim 9, wherein the identifier is connected to the icon by a lead line.

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11. (Original) A method of producing a radiation dosimetry report according to claim 1, wherein the representation is a photo of a patient's body.

12. (Currently amended) A method of producing a radiation dosimetry report according to claim 11, wherein the photo of the patient's body is taken immediately prior to, during, or after treatment with each of the sensors attached in the position said sensor occupied during the irradiation interval.

13. (Currently amended) A radiation dosimetry report comprising[[:]]

[(i)] a graphical representation comprising:

(i) an image of at least a portion of a body or part of a body that ~~has been~~ was irradiated during a preceding irradiation interval; [[and]]

(ii) a plurality of graphics artefacts, each ~~comprising an identifier and~~ representing a radiation sensor positioned in, on or adjacent the body or part thereof during irradiation, the position of each artefact relative to the image representation corresponding to the position of the corresponding sensor relative to the body or body part, and

[[[(i)]]] (iii) a listing of radiation [~~doses~~] dose measurements each associated with the plurality of identifiers and representing a radiation dose received by a respective one of said sensors during said irradiation interval, respectively;

each of said radiation dose measurements being linked visually in the graphics representation with the corresponding one of said graphics artefacts.

14. (Previously amended) A radiation dosimetry report according to claim 13, ~~wherein the radiation doses comprise~~ further comprising a target dose for each sensor, each target ~~[[docs]]~~ dose associated with the corresponding identifier.

15. (Cancelled) ~~A radiation dosimetry report according to claim 1, wherein the radiation doses comprise a measured dose for each sensor, each measured dose associated with the corresponding identifier.~~

16. (Currently amended) A radiation dosimetry report according to claim 13, wherein the

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listing of radiation ~~[[doses]]~~ dose measurements comprises, for each identifier, a target dose and a ~~measured radiation dose measurement~~, both the target dose and ~~measured the radiation dose measurement~~ associated with the same corresponding identifier.

17. (Currently amended) A radiation dosimetry report according to claim 13, wherein the listing of radiation ~~[[doses]]~~ measurements comprises, for each sensor, a value of the deviation of a measured radiation dose from a target dose for that sensor, the deviation value being associated with the corresponding identifier.

18. (Currently amended) A radiation dosimetry report according to claim 13, wherein the listing of radiation ~~[[doses]]~~ measurements comprises a table displayed adjacent the image of the body or body part.

19. (Original) A radiation dosimetry report according to claim 13, wherein the representation is computer-generated for display on a display device.

20. (Original) A radiation dosimetry report according to claim 13, wherein the dosimetry report is a printed report.

21. (Original) A radiation dosimetry report according to claim 13, wherein the graphics artefact comprises an icon portion representing the sensor, the icon portion being separate from the identifier.

22. (Original) A radiation dosimetry report according to claim 21, wherein the identifier is connected to the icon portion by a lead line.

23. (Original) A radiation dosimetry report according to claim 13, wherein the representation is a photo of a patient's body.

24. (Currently amended) A radiation dosimetry report according to claim 23, wherein the photo of the patient's body is taken immediately prior to, during, or after treatment with each

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of the sensors attached in the position said sensor occupied during the irradiation interval.

25. (Currently amended) A radiation dosimetry report comprising:

a photograph of at least a portion of a body or part of a body irradiated and showing a plurality of radiation sensors positioned in, on, or adjacent the body or part thereof, together with related dosimetry data comprising radiation dose measurements, each of said radiation dose measurements being linked visually in the graphics representation with the corresponding one of said graphics artefacts in said photograph.

26. (Currently amended) A radiation dosimetry report according to claim 25, wherein the dosimetry data is displayed as a list of radiation doses dose measurements associated with the sensors by means of lead lines.

27. (New) A method according to claim 1, wherein the visual linking is effected by lead lines each linking a respective graphics artefact to the corresponding dose measurement.

28. (New) A radiation dosimetry report according to claim 13, wherein the visual linking comprises lead lines each linking a respective graphics artefact to the corresponding dose measurement.

29. (New) A method according to claim 1, further comprising the step of displaying the graphical image as a computer-generated image on a display device, and wherein the visual linking comprises lead lines each linking a respective graphics artefact to the corresponding dose measurement, and adjusting one or more of said lead lines.

30. (New) A radiation dosimetry report according to claim 1, wherein the representation is computer-generated for display on a display device, the visual linking comprises lead lines each linking a respective graphics artefact to the corresponding dose measurement, one or more of said lead lines being adjustable by a user.